

Patent Application of

John J. Huber

for

TITLE: BANNER SCORING DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS Not applicable

FEDERALLY SPONSORED RESEARCH Not Applicable

SEQUENCE LISTING OR PROGRAM Not Applicable

#### BACKGROUND OF INVENTION – FIELD OF INVENTION

This invention relates to scoring devices that are portable, self contained and capable of being used in a wide variety of sporting events and venues.

#### BACKGROUND OF THE INVENTION

Team banners are a popular choice for youth and adult sporting teams providing a means to display their team insignia in any sporting venue. Banners are easily attached and displayed on a variety of surfaces while capable of being rolled up and easily stored in an equipment bag or car trunk.

In addition, every sports team relies on the ability to keep an up to date score. The ability to display this score is a critical part of the enjoyment of every participant involved in the sporting event, including players, coaches, parents and spectators. In many sporting events,

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particularly youth sporting events, scoreboard displays are not available for common viewing. The need for distant viewing displays requires large rigid structures requiring a high degree of complexity in assembly, storage, maintenance and transportability. These large, permanent and expensive scoreboards are often not a practical solution for many youth sport organizations. Therefore scores are often maintained with pencil and paper which can only be viewed by the individual scorekeeper. A participant is forced to keep his or her own score, either by using memory, using their own pencil and paper or most cases repeatedly asking the scorekeeper what the current score is. Therefore inventors have created several approaches to solving this problem by designing small portable scoring devices. They have, however, failed in developing a scoring device that meets the lightweight, flexible, compactable and storable benefits of a banner.

U.S. patent 4,045,788 to Castelli (1977) discloses an all purpose one-sided portable electronic scoreboard with a self contained carrying case of rigid material, however this scoreboard requires the use of an external power source forcing the playing field to provide a 120 V AC supply or a portable gasoline generator. The rigid self-contained carrying case limits the scoreboard's compact portability. U.S. patent 4,280,291 to Maynes (1981) discloses a two-sided portable scoreboard with a pair of overlapping disks sandwiched between a front and rear plate, however the rigidity of the disclosed front and back plates and disks prevents flexibility and compact portability. Maynes also requires a complex array of display attachments required for use in different venues, further restricting its compact portability. U.S. patent 5,615,636 to Gustafson (1997) discloses a portable scoreboard with an inverted-U-shaped mounting frame, incorporating a plurality of cards having indicia and arranged in at least three stacks with the cards having a front face and a back face. This scoreboard requires over eighty components in its basic design, a large U-shaped rigid frame plus a complexity of display attachments for alternative venues thus preventing flexible compact portability.

U.S. patent 6,041,934 to Alexson (2000) discloses a portable scoring apparatus comprising of a carrying case formed of two half sections joined together by a flexible connecting section however the scoring apparatus does not provide the benefits of a banner display of a team insignia in a size that could be easily viewable while remaining compact and portable. U.S. patent 4,831,956 to Thater (1989) discloses a one sided tennis scoring apparatus constructed of a durable fabric and designed so as to be foldable about itself into a small

portable configuration however the apparatus is specifically designed and limited for use in the sport of tennis and therefore fails to support a variety of sports and venues.

In addition, inventors have also created several approaches to solving the problem of organizing sports equipment, specifically in baseball and softball dugouts. U.S. patent 5,337,907 to McKenzie and Ingle (1994) discloses a predetermined location holder for beverage containers and related articles, U.S. patent 6,053,340 to Cameron (2000) discloses a back supported sports equipment rack, and U.S. patent 6,029,830 to Manookian (2000) discloses a length adjusting sports equipment hanging belt, all of which are specific in claims and fail to incorporate a scoring capability in their disclosures.

In conclusion, insofar as I am aware, no scoreboard or scoring apparatus formerly developed provides a team banner which also serves as a two-sided, self contained scoring device capable of supporting a large variety of sporting events and venues. In addition, insofar as I am aware, no scoreboard or scoring apparatus developed provides a multi-sport scoring device capable of also organizing sports equipment.

## BACKGROUND OF THE INVENTION – OBJECTS AND ADVANTAGES

Team banners are growing in popularity. These banners are made of flexible durable material such as vinyl, canvas or nylon allowing it to be large but compactable. These banners can be easily rolled-upon-themselves into a lightweight cylinder and therefore easily carried and transported. The banner, compact and in a cylindrical form, provides easy storage in a coach's or player's equipment bag taking up no more room than a baseball bat or a rolled up catcher's chest protector. The banner supports customized visibility to all participants for any sporting event by being placed on fences, hung between posts, hung on walls or staked into the ground. It is the intention of this inventor to provide a two-sided scoring device that achieves all the benefits of a sports banner including its ability to be compact, portable, self-contained and adaptable to a large variety of sporting events and venues. Specifically, benefits of a sports banner include:

- a) sufficiently large so that while in a spread out position a team's insignia is legibly visible to a person with normal vision who is positioned at least 30 feet away from the banner.

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- b) compact being made of flexible material so that entire banner can be repeatedly rolled-upon-itself without fracturing.
- c) self-contained having all required components stored and transported within its compact rolled-upon-itself form.
- d) capable of multi-venue setup being easily displayed in any sporting event venue, including any outdoor or indoor venue without special attachments beyond what is self-contained in the unit.

Accordingly, several objects and advantages of the present invention are:

- (a) to provide a sports team banner to display team insignia's which has the dual purpose of a multi-sport scoring device.
- (b) to provide an all-purpose scoring banner constructed of lightweight flexible material with means to be compacted, or rolled-upon-itself into a tight cylindrical form for easy storage and transportation.
- (c) to provide a multi-sport portable scoring banner having display components required for any sporting event or venue self-contained for easy and compact storage and transfer.
- (d) to provide a multi-sport, compact and portable scoring banner with the means to be quickly and easily setup and displayed in a variety of sporting venues.
- (e) to provide a multi-sport scoring banner capable of being used by youth sports participants with limited adult supervision.
- (f) to provide a multi-sport scoring banner with the means to display opposing team scores on both sides of the banner and visible to a person with normal vision positioned at least thirty feet away.
- (g) to provide a multi-sport scoring banner capable of organizing sports equipment.
- (h) to provide a multi-sport scoring banner capable of enhancing the entertainment value of the sporting event through sound devices and team mascot display.
- (i) to provide a fundraising mechanism for youth sports through banner advertising.

Further objects and advantages are to provide a durable and reusable multi-sport scoring banner, resistant to weather elements and inexpensive to manufacture. Still further objects and advantages will become apparent from a consideration of the ensuing description and drawings.

## SUMMARY

A two-sided scoring banner having two durable flexible faces, a plurality of secured flexible scoring elements and a simple means to hang, attach or anchor scoring banner for display in a variety of sporting venues. Scoring banner also having the means to organize and display a variety of sports related equipment.

## DRAWINGS

Fig. 1 is a perspective front view of the multi-sport, two-sided scoring banner constructed in accordance with the invention using a plurality of flexible rotating disks for scoring elements.

Fig. 2 is a perspective back view of the multi-sport, two-sided scoring banner constructed in accordance with the invention using a plurality of flexible rotating disks for scoring elements.

Fig. 3 is an exploded front view of the multi-sport, two-sided scoring banner constructed in accordance with the invention using a plurality of flexible rotating disks for scoring elements.

Fig. 4 is a front view of the preferred embodiment of the present invention attached to a chain link fence.

Fig. 5 is a perspective front view of the preferred embodiment of the present invention in its rolled up configuration.

Fig. 6 is a front perspective view of the preferred embodiment displayed between two ground anchoring rods.

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Fig. 7 is a perspective front view of the preferred embodiment of the present invention showing a cutout view of the ground anchoring rods inserted into their respective storage pockets in preparation for transport and storage.

Fig. 8 is a right side cross-sectional view of the preferred embodiment of the present invention showing the anchoring rods in their respective storage pockets in preparation for transport and storage.

Fig. 9 is a perspective view of the preferred embodiment of the present invention showing the anchoring rods and scoring elements in a rolled up configuration within the scoring banner and held together by bungee cords ready for transportation and storage.

Fig. 10 is a front view of the preferred embodiment of the present invention being hung on a flat surface.

Fig. 11 is a front side view of larger embodiment of the present invention hung between two volleyball posts with additional scoring elements for the game of basketball.

Fig. 12 is the front side view of a larger embodiment of the present invention hung on a backstop and with additional scoring elements for the game of baseball or softball.

Fig. 13 is a front side view of a larger embodiment of the present invention hung between two anchoring rods with additional scoring elements for the game of football or soccer.

Fig. 14 is a front side view of a larger embodiment of the present invention incorporating equipment storage pockets, equipment storage loops, and hooks to organize sports equipment including a team mascot toy.

Fig. 15 is a front side view of a specific embodiment of the present invention incorporating transparent slide pockets for display and protection of pre-printed team insignia inserts, scoring element titles and team rosters.

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Fig. 16 is a right side view of a specific embodiment of the present invention incorporating transparent slide pockets for protection and display of pre-printed team insignia inserts, scoring element titles and team rosters

Fig. 17 is an exploded front view of an alternative scoring embodiment of the present invention using scrolls for scoring elements.

Fig. 18 is a perspective front view of an alternative scoring embodiment of the present invention using scrolls as scoring elements.

Fig. 19 is a perspective back view of an alternative scoring embodiment of the present invention using scrolls for scoring elements.

Fig. 20 is a front view of an alternative scoring embodiment of the present invention using flip cards as scoring elements.

Fig. 21 is a back view of an alternative scoring embodiment of the present invention using flip cards for scoring elements.

Fig. 22 is a right-side cross-sectional view of an alternative scoring embodiment of the present invention using flip cards for scoring elements.

Fig. 23 is a perspective front view of a specific display embodiment of the present invention showing cutout views of the top anchoring rod shown inserted into its linear pocket and the right stabilizing rod and left anchoring rod inserted in their respective linear pockets.

DRAWINGS -Reference Numerals

30 -Scoring banner

32 -Front face

36 -Top edge

34 -Back face

38 -Right edge

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40	-Bottom edge	42	-Left edge
44A	-Home tens digit scoring disk	44B	-Home singles digit scoring disk
44C	-Visitor tens digit scoring disk	44D	-Visitor singles digit scoring disk
46A	-Home tens digit scoring symbol	46B	-Home singles digit scoring symbol
46C	-Visitor tens digit scoring symbol	46D	-Visitor singles digit scoring symbol
48	-Home front window	50	-Visitor front window
52	-Home back window	54	-Visitor back window
56	-Binding screw post	58	-Anchoring rod
60	-First anchoring rod linear pocket	62	-Second anchoring rod linear pocket
64	-First anchoring rod storage pocket	66	-Second anchoring rod storage pocket
68	-Top stabilizing rod	70	-Top stabilizing rod linear pocket
72A	-Bottom right eyelet through-hole	72B	-Top right eyelet through-hole
72C	-Top left eyelet through-hole	72D	-Bottom left eyelet through-hole
74	-Team insignia	76	-Home heading
78	-Visitor heading	80	-Home scoring scroll
80A	-Home top scroll knob	80B	-Home bottom scroll knob
80C	-Home two digit scoring symbol	82	-Visitor scoring scroll
82A	-Visitor top scroll knob	82B	-Visitor bottom scroll knob
82C	-Visitor two digit scoring symbol	84	-Transparent pocket
86	-Pocket seal	88	-Team roster transparent pocket
90	-Utility storage pocket	92	-Team mascot storage pocket
94A	-Ball scoring element	94B	-Inning scoring element
94C	-Strike scoring element	96A	-Visitor time out scoring element
96B	-Period scoring element	96C	-Home time out scoring element
98A	-Home team foul scoring element	98B	-Visitor team foul scoring element
100	-Attachment device	102	-Bungee cord
104	-Volleyball net poles	106	-Chain link fence
108	-Flat surface	110	-Equipment storage loops
112	-Baseball/ softball bat	114	-Batting helmet
116	-Baseball glove	118	-Baseball hat
120	-Hooks	122	-Sports drink bottle



124 -Batting Glove	126 -Sound device pocket
128 -Team toy mascot	130 -Advertisement sign
132 - Home tens digit scoring card	134 - Home singles digit scoring card
136 - Visitor tens digit scoring card	138 - Visitor singles digit scoring card
140 - Ring	142 - Ring support rod
144 - Support rod sleeve	146 - Home scoring card window
148 - Visitor scoring card window	

#### DETAILED DESCRIPTION – FIG. 1- 7 – PREFERRED EMBODIMENT

Fig. 1 is a perspective front view of a scoring banner **30**, constructed in accordance with the invention. Fig. 2 is a perspective back view of banner **30** and Fig.3 is a front perspective exploded view of banner **30**. A front face **32** (Fig. 1, Fig.3 ) and a back face **34** (Fig. 2, Fig. 3) made of a flexible piece of material which can be repeated rolled and unrolled without fracturing or becoming misshapen. In the preferred embodiment, front face **32** and back face **34** are made of flexible pieces of fabric such as polyester, duck canvas, nylon, rayon, vinyl or various other impregnated or laminated fibrous materials. Back face **34** and front face **32** may be sewn, glued, riveted or thermally bonded along strategically selected areas including but not limited to a top edge **36**, a right edge **38**, a bottom edge **40** and a left edge **42** to form the body of scoring banner **30**.

A home front window **48** (Fig.1, Fig. 3) and a visitor front window **50** (Fig. 1, Fig. 3) formed into front face **32** and a home back window **52** (Fig. 2, Fig. 3) and a visitor back window **54** (Fig. 2, Fig. 3) formed into the back face **34**. A home tens digit scoring disk **44A** (Fig.1, Fig. 3) and a home singles digit scoring disk **44B** (Fig.2, Fig. 3) aligned on top of one another, secured and sandwiched between front face **32** and back face **34**. A visitor tens digit scoring disk **44C** (Fig.2, Fig. 3) and a visitor singles digit scoring disk **44D** (Fig.1, Fig. 3) aligned on top of one another, secured and sandwiched between front face **32** and back face **34**.

Referring to Fig. 3 scoring element disks **44A**, **44B**, **44C**, **44D** made of a flexible piece of material and formed into a disk which can be repeatedly rolled and unrolled without fracturing or becoming misshapen. In the preferred embodiment scoring elements **44A**, **44B**, **44C**, **44D** made of a plastic material comprised for example of extruded amorphous polypropylene co-polymer available from NAP, Inc. of Tallahassee, Florida. Each scoring

element **44A**, **44B**, **44C**, **44D** axially mounted through holes in their respective centers and sandwiched and secured between front face **32** and back face **34** using a binding screw post **56**. Post **56** of sufficient length to allow scoring elements **44A**, **44B**, **44C**, **44D** to be held loosely in place, free to rotate along its axis with a minimum amount of tangential force applied to the exposed part of disk **44A**, **44B**, **44C**, **44D** circumference. Slight friction between the inside back of front face **32** and inside front of back face **34** prevent scoring elements **44A**, **44B**, **44C**, **44D** from freely rotating. Other means of mounting the scoring elements may be used including axial or circumferential mounting using rivets, eyelets, bolts and screws.

Continuing to referring to Fig. 1, Fig. 2 and Fig. 3, a home team's single scoring symbol **46B** including the numeric digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 placed on the front and back face of the interior radial portion of home team's singles scoring element **44B** (Fig. 3), the back digits phased 180 degrees from the front digits. The interior radial portion of scoring element **44B** being transparent matching the interior portion of home team's tens digit scoring element **44A** (Fig. 3). A home team's tens scoring symbol **46A** including the numeric digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 placed on the front and back of the interior radial portion of scoring element **44A** (Fig. 3), the back digits phased 180 degrees from the front digits. Front window **48** (Fig. 1, Fig. 3) and back window **52** (Fig. 2, Fig. 3) strategically placed to match the display of scoring symbols **46A**, **46B**. Teams may maintain and display the home team score of a sporting event by means of rotating the scoring element **44A** (Fig. 1, Fig. 3) along its axis to place the tens scoring symbol **46A** in both front window **48** (Fig. 1, Fig. 3) and back window **52** (Fig. 2, Fig. 3) and rotating scoring element **44B** (Fig. 2, Fig. 3) along its axis to place singles scoring symbol **46B** in front window **48** (Fig. 1, Fig. 3) and back window **52** (Fig. 2, Fig. 3).

Continuing to refer to Fig. 1, Fig. 2 and Fig. 3, a visitor team's singles scoring symbol **46D** including the numeric digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 placed on the front and back face of the interior radial portion of visitor team's singles scoring element **44D** (Fig. 3), the back digits phased 180 degrees from the front digits. The exterior radial portion of scoring element **44D** (Fig. 3) being transparent matching the exterior portion of visitor team's tens digit scoring element **44C** (Fig. 3). A visitor team's tens scoring symbol **46C** including the numeric digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 placed on the front and back of the exterior radial portion of scoring element **44C** (Fig. 3), the back digits phased 180 degrees from the front digits. Front window **50** (Fig. 1, Fig. 3) and back window **54** (Fig. 2, Fig. 3) strategically placed to match the display

of scoring symbols **46C**, **46D**. Teams may maintain and display the visitor team's score of a sporting event by means of rotating the scoring element **44D** (Fig. 2, Fig. 3) along its axis to place the singles scoring symbol **46D** in both front window **50** (Fig. 1, Fig. 3) and back window **54** (Fig. 2, Fig. 3) and rotating scoring element **44C** (Fig. 1, Fig. 3) along its axis to place the tens scoring symbol **46C** in front window **50** (Fig. 1, Fig. 3) and back window **54** (Fig. 2, Fig. 3).

In the preferred embodiment a team mascot storage pocket **92** (Fig.1, Fig. 3) is attached to the front face of banner **30** providing means to hold and display a team toy mascot **128** (Fig. 25). Pocket **92** made of a flexible piece of material which can be repeatedly rolled and unrolled without fracturing or becoming misshapen. In the preferred embodiment, pocket **92** is made of flexible pieces of fabric such as polyester, duck canvas, nylon, rayon, vinyl or various other impregnated or laminated fibrous materials. Pocket **92** may be attached to the front face by means of sewing, glue, rivets, thermal bonding or other common means of bonding.

In the preferred embodiment a sound device pocket **126** (Fig.1, Fig. 3) is attached to the front face of banner **30** providing means to hold a conventional self-powered sound device or sound device and receiver (not shown). Pocket **126** made of a flexible piece of material which can be repeatedly rolled and unrolled without fracturing or becoming misshapen. In the preferred embodiment, pocket **126** made of flexible pieces of fabric such as polyester, duck canvas, nylon, rayon, vinyl or various other impregnated or laminated fibrous materials. Pocket **126** may be attached to the front face by means of sewing, glue, thermally bonding, riveting or other common means of bonding.

Continuing to refer to Fig. 3, a team insignia **74**, a home heading **76**, a visitor heading **78**, an advertisement sign **130** or other customized signs may be attached to the front face **32** and the back face **34**. Team insignia **74**, heading **76**, **78**, advertisement sign **130** may be printed onto face **32**, **34** by means of silk screen printing, paint, ink or any other common means of printing. Team insignia's **74**, heading **76**, **78** and advertising sign **130** may also be made of separate printed pieces of flexible material and attached to face **32**, **34** by means of gluing, heat transfer, thermal bonding, Velcro, rivets, pins or other common means of bonding.

Referring to Fig. 4 (front view), scoring banner **30** is presented in its utility configuration spread out and attached to a chain link fence **106** using a plurality of bungee cords **102** hooked through a plurality of through-hole eyelets **72A**, **72B**, **72C**, **72D**. Eyelets

**72A, 72B, 72C, 72D** strategically placed into and through front face **32** and back face **34** providing further bonding of faces **32, 34**. In the preferred embodiment eyelets **72A, 72B, 72C, 72D** made of brass however may also consist of any common material used in commercially available eyelets.

Referring to Fig. 5 (perspective front view), scoring banner **30** is presented in its rolled up, compact and transportable configuration and secured using bungee cords **102**. Fig. 6 provides a perspective front view of an alternative ground display embodiment of scoring banner **30**. A plurality of anchoring rods **58** secure banner **30** into the ground for display using bungee cords **102** attached to eyelets **72A, 72B, 72C, 72D**.

Fig. 7 is a perspective front view of the same alternative ground display embodiment of banner **30** shown in Fig. 6. Anchoring rods **58** are shown stored in a first anchoring rod storage pocket **64** and a second anchoring rod storage pocket **66** and exposed through a cutout view of a portion of front face **32**. Fig. 8 provides a right side cross sectional cutout view of the ground display for scoring banner **30**. Anchoring rods **58** are contained within their respective storage pockets **64, 66**. Fig. 9 is a perspective front view of the ground display scoring banner **30** rolled up into a tight cylindrical configuration ready for storage and transportation. Anchoring rods **58** are rolled up within scoring banner **30** and secured by bungee cords **102**.

Fig. 10 provides a flat surface display embodiment of banner **30**. Scoring banner **30** capable of being hung on any flat surface containing hooks or pins through eyelets **72C, 72B** or other common means of attachment such as tape, or Velcro.

Fig. 11 provides a larger version of the present invention attached between a plurality of volleyball net poles **104**. This embodiment includes additional scoring elements added for basketball including a home team fouls scoring element **98A**, a period scoring element **96B** and a visitor team fouls scoring element **98B**.

Fig. 12 presents a larger version of the present invention with additional scoring elements added for baseball including, a ball scoring element **94A**, an inning scoring element **94B**, and a strikes scoring element **94C**.

Fig. 13 presents a larger version of the present invention with additional scoring elements added for football, rugby or soccer including, a visitor time out scoring element **96A**, a period scoring element **96B**, and a home time out scoring element **96C**. Fig. 20 also provides

an example of alternative placement locations of scoring elements disks **44A**, **44D** on scoring banner **30**.

Fig. 14 provides a front view of a specific embodiment of scoring banner **30** including a plurality of utility storage pockets **90** attached to front face **32**. Storage pockets **90** made of a flexible piece of material which can be repeatedly rolled and unrolled without fracturing or becoming misshapen. In the preferred embodiment, storage pockets **90** made of flexible pieces of fabric such as duck canvas, nylon, rayon, vinyl or polyester, or various other impregnated, laminated or meshed fibrous materials. Storage pockets **90** attached to front face **32** by means of sewing, gluing, thermal bonding or other common means of bonding two materials. Sports items such as a plurality of baseball batting gloves **124**, a plurality of baseball hats **118**, or a plurality of sport drink bottles **122** can be placed in storage pockets **90** for organization and storage. A plurality of baseball/softball bats **112** can be organized and displayed by means of slipping and hanging bat **112** through a plurality of equipment storage loops **110**. Loops **110** attached to front face **32** by means of sewing, gluing, thermal bonding or other common means of bonding materials. Loops **110** made of flexible material such as duck canvas, nylon, rayon, vinyl, polyester, rubber or any other flexible or elastic material. A plurality of hooks **120** may be attached to loops **110** providing a means to hang various sporting equipment items including for example but not limited to a plurality of batting helmets **114**, baseball hats **118** and a plurality of baseball gloves **116**. Team mascot toy **128** is shown in team mascot storage pocket **92**.

Fig. 16 is a front view and Fig. 17 is a side view of an alternative display embodiment of scoring banner **30**. A plurality of transparent pockets **84** is shown attached to the front face **32** (Fig 16) and back face **34** (Fig.17). A team roster transparent pocket **88** is shown attached to front face **32**. Pockets **84**, **88** attached to front face **32** and back face **34** by means of sewing, glue, heat, rivets or other commonly available bonding practices. A variety of pre-printed materials may be displayed on front face **32** and back face **34** by sliding them into pockets **84**. These pre-printed materials may be further protected from the elements by sealing the pocket with a pocket seal **86**. Pockets, **84**, **88**, made of flexible pieces of transparent material such as polyethylene which can be repeatedly rolled and unrolled without fracturing or becoming misshapen.

Fig. 18 is a front perspective view, Fig.19 is a back perspective view and Fig. 20 provides an exploded view of an alternative scoring element embodiment of the present invention. Referring to Fig. 18 a home scoring scroll element **80** and a visitor scoring scroll element **82** sandwiched and secured between front face **32** and back face **34**. Scrolls **80**, **82** made of a flexible piece of material which can be repeated rolled and unrolled without fracturing or becoming misshapen. A plurality of home two digit scoring symbols **80C** including the numeric digits 0 through 99 placed on the front and back face of scroll **80**. A plurality of visitor two digit scoring symbols **82C** including the numeric digits 0 through 99 placed on the front and back face of scroll **82**. Referring to Fig. 19 and Fig. 20, teams may maintain and display the home team's score of a sporting event by indexing scroll **80** by rotating a home top scroll knob **80A** counter-clockwise or a home bottom scroll knob **80B** clockwise thus selectively displaying scoring symbol **80C** in home front window **48** and home back window **52**. Teams may maintain and display the visitor's score of a sporting event by indexing scroll **82** by rotating a visitor top scroll knob **82A** counter-clockwise or a visitor bottom scroll knob **82B** clockwise thus selectively displaying scoring symbol **82C** in both visitor front window **50** and visitor back window **52**.

Fig. 20 is a front view and Fig. 21 is a back view of an alternative scoring element embodiment of the present invention. Fig. 22 is a side cross-sectional view of the same embodiment. A home tens digit scoring card **132**, a home singles digit scoring card **134**, a visitor tens digit scoring card **136**, and a visitor single digit card **138** used to display opposing team scores. Scoring cards **132**, **134**, **136**, **138** made of a flexible piece of material which can be repeatedly rolled and unrolled without fracturing or becoming misshapen. Scoring cards **132**, **134**, **136**, **138** having at least one consistently aligned hole formed at the top of each. A card holder ring **140** looped through each hole aligning the scoring cards **132**, **134**, **136**, **138** into a plurality of paired stacks. A support rod sleeve **144** formed by creating a linear space between front face **32** and back face **34**. Rod sleeve **144** formed by means of sewing, glue, rivets, thermal bonding or other common bonding techniques. A home scoring card window **146**, and a visitor scoring card window **148** formed in the body of scoring banner **30** providing a means to hang and display scoring cards **132**, **134**, **136**, **138** on a ring support rod **142**. Referring to Fig. 20, ring support rod **142** slipped and secured to main scoring banner **30** through the left part of rod sleeve **144**. Support rod **142** exposed through window **148**, slipped through the

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center of the ring **140** of scoring element cards **138, 136**. Card rod **142** slipped into the center of rod sleeve **144** and exposed through window **146** and slipped through the center of the ring **140** of scoring cards **134, 132**. The end of support rod **142** finally secured through the right end of rod sleeve **144**.

Once again referring to Fig. 20 and Fig 21, visitor singles digit scoring symbol **46D** including the digits 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 displayed on the front face of each of scoring cards **138**. A copy of scoring symbols **46D** placed on the back face of the next in sequence scoring card **138** so that the same scoring symbol **46D** is viewed on both the front face **32** and back face **34**. This repeated for home singles scoring card **134** and home singles scoring symbol **46B**. Visitor tens digit scoring symbol **46C** including blank and the digits 10, 20, 30, 40, 50, 60, 70, 80, 90 displayed on the front face of each of visitor tens digit scoring card **136**. A copy of scoring symbols **46C** placed on the back face of the next in sequence scoring card **136** so that the same scoring symbol **46C** is viewed on both the front face **32** and back face **34**. Scoring is accomplished by flipping over and indexing singles digit scoring cards **138, 134** from zero to nine in increments of one and flipping over and indexing tens digit scoring cards **136, 132** from blank to ninety in increments of ten. Scores would be read by adding the tens digit scoring symbol value **46C, 46A** to the singles digit scoring symbol value **46D, 46B** for example, referring to Fig. 20:

Front View			
Visitor		Home	
Left Card	Right Card	Left Card	Right Card
2	20	1	10

Score would be read twenty- two to eleven.

Back View			
Home		Visitor	
Left Card	Right Card	Left Card	Right Card
10	1	20	2

Score would be read eleven to twenty-two.

Fig. 23 provides a perspective front view of scoring banner 30. A top stabilizing rod 68 is shown through a cutout view of a top stabilizing rod linear pocket 70. Anchoring rods 58 exposed through a cutout view of a first anchoring rod linear pocket 60 and a second anchoring rod linear pocket 62. According to a specific embodiment of the invention top rod 68 is slipped into a linear pocket 70 formed between the top of front face 32 and the top of back face 34. Anchoring rods 58 shown slipped into linear pockets 60, 62 respectively providing the means to anchor banner 30 into the ground. Top rod 68 prevents scoring banner 30 from sagging when anchoring rods 58 are slipped into their respective linear pockets 60, 62. Linear pockets 60, 62, 70 formed into front face 32 by being sewn to the back face 34 leaving linear space between them. Linear pockets 60, 62, 70 may be also formed between the front face 32 and the back face 34 by means of glue, rivets, thermal bonding or other common means of bonding.

#### Conclusions, Ramifications, and Scope

Accordingly the reader will see that the banner scoring device of this invention can be used by sporting teams to conveniently and easily maintain their score, display their team insignia and organize their team equipment. The scoring banner device being two-sided adds to the enjoyment of a sporting event by displaying the score to both the participants of the event and the spectators. In one embodiment the banner scoring device also adds to the entertainment value of the sporting event by featuring a sound device that when activated provides familiar sports tunes and cheers. A receiver and speaker may also be incorporated into the banner scoring device to provide the feel of a big league game with individual player introductions or play by play announcing. The banner scoring device also incorporates a pocket to place a team mascot toy within so that it can be used to rally the team when it is displayed above the team name. Furthermore the banner scoring device can be displayed in any sporting venue without special attachments, frames or other structures. The banner scoring device can be easily rolled-upon-itself and secured into cylindrical form allowing easy transportation and storage. Finally teams may also use the scoring banner device to raise funds for their team by selling customized advertising space to local and national companies.

Although the description above contains many specificities, these should not be construed as limiting the scope of the invention but as merely providing illustrations of some of



the presently preferred embodiments of the invention. For example, the banner may have different shapes, such as oval or circular and the scoring elements may come in variety of shapes and numbers and be positioned in a variety of locations. The utility storage pockets and equipment storage loops may come in a variety of shapes, sizes and number and be positioned in a variety of locations.

Thus the scope of the invention should be determined by the appended claims and their legal equivalents, rather than by the examples given.